CLAIMS:

1. Magnetic head for a magneto-optical device, comprising a plurality of substantially parallel planar layers (13,15), including a layer (13) comprising a coil formed by a plurality of turns (14) of an electrically conductive winding, the turns (14) lying substantially in a plane defined by the layer (13) and the winding being substantially centered on a central axis perpendicular to the plane, and further including a yoke layer (15) comprised of an anisotropic flux guiding material, wherein the yoke layer (15) comprises a plurality of segments (16;18;20;22) of flux guiding material dividing the yoke layer (15) into sectors which together surround the central axis, wherein, in each sector, the flux guiding material has an easy axis in a plane of the yoke layer with a direction different from the direction of the easy axis in an adjacent sector.

2. Magnetic head according to claim 1, wherein the easy axis of magnetization is substantially perpendicular to the radial direction along the bisector of each sector.

3. Magnetic head according to claim 1 or 2, wherein the segments (16;18;20) define the perimeters of an optical opening (5;17;19;21) that is substantially centered on the central axis.

4. Magnetic head according to any one of the preceding claims, wherein the segments (16;18;20;22) extend beyond a maximum dimension of the winding in the radial direction.

5. Magnetic head according to any one of the preceding claims, wherein at least two adjacent segments (16;18;20;22) are separated by an electrically insulating barrier.

6. Magnetic head according to any one of the preceding claims, wherein the segments (16;18;22) divide the yoke layer (15) into four sectors.

7. Magnetic head according to any one of the preceding claims, wherein turns (14) closer to the central axis have a smaller width than turns (14) further away from the central axis.

8. Magnetic head according to any one of the preceding claims, wherein the flux guiding material is covered at least partly by a non-magnetic heat-conducting layer.

9. Magneto-optical device comprising a magnetic head (3) according to any one of claims 1 to 8.

10. Magneto-optical device according to claim 9, wherein the magnetic head (3) is integrated in an actuated movable body (1).